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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,385	12/04/2003	Ivan Lalovic	H1541	7547
45305 75	590 07/14/2005	EXAMINER		
RENNER, OTTO, BOISSELLE & SKLAR, LLP (AMDS) 1621 EUCLID AVE - 19TH FLOOR			KIM, PETER B	
	OH 44115-2191	ART UNIT	PAPER NUMBER	
			2851	
			DATE MAILED: 07/14/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    10/727,385									
Examiner Peter B. Kim 2851  - The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Examinor of time may be available under the provisions of 3°C FR 1.738(a). In no event, however, may a reply be timely filled - If the period fronty specified above, the macroman statutory period will apply and will expire SIV (0) MONTHS from the realing date of this communication in the period for reply is a specified above, the macroman statutory period will apply and will expire SIV (0) MONTHS from the realing date of this communication If NO period for reply is a specified above, the macroman statutory period will apply and will expire SIV (0) MONTHS from the realing date of this communication If NO period for reply is a specified above, the macroman statutory period will apply and will expire SIV (0) MONTHS from the realing date of this communication Any reply received by the Office later than three motilise after the multing date of this communication, even if timely filled, may reduce any search period of the communication of this communication Any reply review by the SIV (1) and the period of this communication, even if timely filled, may reduce any search period of the communication of this communication The specification is condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  - Application of Claims  - Application of Claims  - Application of Claims - Application of Claims - Application and the specification is objected to by the Examiner Application Papers  9 The specification is objected to by the Examiner Application Papers  9 The provision of request that any objection to the drawing(s) be held in aboyance. See 37 CFR 1.85(a) Replacement drawing sheaf(s) including the correc			Application No.	Applicant(s)	Can				
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Application/Control Number: 10/727,385

#### **DETAILED ACTION**

Applicant's arguments filed on June 14, 2005 have been fully considered.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 2, and 4-11 are rejected under 35 U.S.C. 102(a) as being anticipated by Shiraishi (2003/0043356).

Shiraishi discloses a device for determining projection lens pupil transmission distribution in a photolithographic imaging system comprising an illumination device (1, 2), a transmissive reticle (27), an aperture layer (16) having a plurality of opening therethrough (Fig. 12), a diffuser (35a,, 35b, para 0194) on the illumination source side (Fig. 12), a projection lens system (29) and an image plane wherein a pupil image corresponding to each of the plurality of opening in the aperture layer is formed at the image plane when radiation passes through the reticle, the diffuser, the aperture layer and the projection lens system, the pupil image having a projection lens pupil transmission distribution (although not expressly mentioned, it is inherent that a pupil image will be formed at an image plane).

#### Allowable Subject Matter

Claims 12-20 are allowed.

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Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 3, none of the prior art of record teaches the diffuser configured to be oscillated during operation of the device in combination with the structures in claim 1.

Regarding claim 12, none of the prior art of record teaches a method for determining projection lens pupil transmission distribution and illumination source aperture uniformity comprising the step of measuring the first pupil intensity distribution without a diffuser and measuring the second pupil intensity distribution with a diffuser mounted and comparing the two in combination with the other steps of the method.

Regarding claim 17, none of the prior art of record teaches a device for determining both illumination source aperture uniformity and projection lens pupil transmission distribution in a photolithographic imaging system comprising first pupil image is measured without a diffuser and the second pupil image is measured with a diffuser and the relations recited in the claim are satisfied.

### Response to Arguments

In response to applicant's arguments Chuang reference is withdrawn.

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter B. Kim whose telephone number is (571) 272-2120. The examiner can normally be reached on 8:00 AM - 5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Peter B. Kim
Primary Examiner
Art Unit 2851

July 6, 2005